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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,311	03/30/2004	Tomihiko Hara	58599US003	3651

32692 7590 12/06/2005

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EXAMINER

ZIRKER, DANIEL R

ART UNIT	PAPER NUMBER
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1771

DATE MAILED: 12/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/813,311	Applicant(s) HARA ET AL.	
	Examiner Daniel Zirker	Art Unit 1771	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3/30/04</u> . | 6) <input type="checkbox"/> Other: ____. |

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1,4-7,10 and 11 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over JP 10-316955 Patent Abstract. The reference teaches what appears to be applicants' (the inventive entities have a common coinventor) most preferred adhesive composition which is also crosslinked by electron beam radiation to obtain the desired amount of adhesiveness before it is used in such operations as "thermally press-bonded" operations such as applicants clearly contemplate. As to the performance parameter of claim 1 this is clearly inherent.

4. Claims 2,3,8,9,and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP '955 Patent Abstract. The reference is again relied upon substantially as set forth above, with such parameters as the use of a plurality of adhesive layers, UV radiation (instead of electron beam), the use of non adhesive films as backing or substrate materials, and the nominal process operations (which are believed to also clearly be within the skill of the art in view of the above cited teaching of

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“thermally press bonded”) are each believed to be obvious modifications to one of ordinary skill, in the absence of unexpected results.

5. Claims 1, 4-6, 8,9 and 12 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kawate et al. Note particularly in this reference which also again has inventor Ishii as a coinventor the disclosure, particularly the Abstract, Col 1, lines 7-14, lines 44-60, Col 3, lines 8-60, Col 5, lines 1-22, lines 38-54, Col 6, line 58- Col 7 line 3, lines 14-20, line 66-Col 8, line 20, Example 1, Table 1. Note additionally besides teaching a very closely related preferred adhesive composition (only the tackifier or “rosin” is missing from Example 1 but tackifiers are taught at Col 8, line 5, and note Table 1) to applicants’ most preferred adhesive the reference teaches that such adhesives and films thereof are particularly useful for adhering electronic parts (e.g. Col 8, lines 9-11). As above the performance parameter is, if not expressly disclosed in Table 1, clearly inherent in the disclosed genus of adhesive compositions.

6. Claims 2,3,7,10,11, 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawate et al. The reference is again relied upon substantially as set forth above, with those parameters that are not either expressly or inherently disclosed are each believed to be obvious optimizations to one of ordinary skill, in the absence of unexpected results.

7. The prior art made of record and not relied upon is considered pertinent to applicant’s disclosure. Note also the very closely related Toriumi et al and WO 00/29500.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Zirker whose telephone number is 571-272-1486. The examiner can normally be reached on Monday-Thursday from 8:30 to 6:00. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris, can be reached on 571-272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel Zirker
Primary Examiner
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A handwritten signature in black ink that reads "Daniel Zirker". The signature is written in a cursive, flowing style.